

## **TRANSMISSION MECHANISM WITH A DIFFERENTIAL MECHANISM**

### **Abstract of the Disclosure**

A transmission mechanism with a differential mechanism of an automotive vehicle is disclosed, which comprises a driving power input shaft, a propeller shaft, a core shaft, two rear wheel output shafts, two front wheel output shafts, and a caseless differential mechanism including a left side bevel gear, a planetary gear bracket and a right side bevel gear. The performance of the automotive vehicle equipped with the transmission mechanism of the invention can be improved.

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